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| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE<br>(REV. 12-2004)  |  | ATTORNEY'S DOCKET NUMBER<br><b>90959US</b>   |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES</b><br><b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b><br><b>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>   |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br>To Be Assigned <b>10/529677</b> |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/US2003/036256</b>   | INTERNATIONAL FILING DATE<br><b>13 November 2003</b> | PRIORITY DATE CLAIMED<br><b>13 December 2002</b>                                   |
| TITLE OF INVENTION<br><b>IMPROVEMENTS RELATING TO DIPOLE ANTENNAS AND COAXIAL TO MICROSTRIP TRANSITIONS</b>   |  |  |
| APPLICANT(S) FOR DO/EO/US<br><b>Bisiules et al.</b>   |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> <p><b>Items 13 to 23 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input checked="" type="checkbox"/> Express Mail Label No. <b>EV 592966538 US</b></li> <li>23. <input checked="" type="checkbox"/> Other items or information:<br/> <div style="margin-left: 20px;">Application Data Sheet</div> </li> </ol> |  |  |

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|--|--------------|--|---------------------|--|------------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><b>To Be Assigned</b>   |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/US2003/036256</b>              |                     | ATTORNEY'S DOCKET NUMBER<br><b>90959US</b> |                  |
| 24. The following fees are submitted:  |              |  |                     | <b>Applicant use</b>                       | <b>Offic use</b> |
| <input checked="" type="checkbox"/> a) Basic national fee ..... <b>\$300.00</b>  |              |  |                     | \$ <b>\$300.00</b>                         |                  |
| <input checked="" type="checkbox"/> b) Examination fee ..... <b>\$200.00</b>   |              |  |                     | \$ <b>\$200.00</b>                         |                  |
| <input checked="" type="checkbox"/> c) Search fee ..... <b>\$500.00</b>  |              |  |                     | \$ <b>\$500.00</b>                         |                  |
| <b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b>   |              |  |                     | \$ <b>\$1,000.00</b>                       |                  |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |              |  |                     |  |                  |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | RATE                |  |                  |
| 74 - 100 =   | -26 /50 =    | 0  | x \$250.00          | \$ <b>\$0.00</b>                           |                  |
| Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |  |                     | \$   |                  |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA   | RATE                |  |                  |
| Total claims   | 20 - 20 =    | 0  | x \$50.00           | \$ <b>\$0.00</b>                           |                  |
| Independent claims   | 2 - 3 =      | 0  | x \$200.00          | \$ <b>\$0.00</b>                           |                  |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00  |              |  |                     | \$ <b>\$0.00</b>                           |                  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |  |                     | \$ <b>\$1,000.00</b>                       |                  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |  |                     | \$ <b>\$0.00</b>                           |                  |
| <b>SUBTOTAL =</b>  |              |  |                     | \$ <b>\$1,000.00</b>                       |                  |
| Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |  |                     | \$ <b>\$0.00</b>                           |                  |
| <b>TOTAL NATIONAL FEE =</b>  |              |  |                     | \$ <b>\$1,000.00</b>                       |                  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +  |              |  |                     | \$ <b>\$0.00</b>                           |                  |
| <b>TOTAL FEES ENCLOSED =</b>   |              |  |                     | \$ <b>\$1,000.00</b>                       |                  |
| <b>Amount to be refunded:</b>  |              |  |                     | \$   |                  |
| <b>Amount to be charged:</b>   |              |  |                     | \$   |                  |
| a. <input checked="" type="checkbox"/> A check in the amount of \$ <b>\$1,000.00</b> to cover the above fees is enclosed.  |              |  |                     |  |                  |
| b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is   |              |  |                     |  |                  |
| c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>23-0920</b> . A duplicate copy of this sheet is enclosed.                                |              |  |                     |  |                  |
| d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.        |              |  |                     |  |                  |
| <b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</b>  |              |  |                     |  |                  |
| SEND ALL CORRESPONDENCE TO:  |              |  |                     |  |                  |
| Eric D. Cohen  |              |  | SIGNATURE           |  |                  |
| 120 South Riverside Plaza  |              |  | Eric D. Cohen       |  |                  |
| 22nd Floor   |              |  | NAME                |  |                  |
| Chicago, Illinois 60606  |              |  | <b>38,110</b>       |  |                  |
| Customer No. 24628   |              |  | REGISTRATION NUMBER |  |                  |

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Bisiules et al.****107529677**

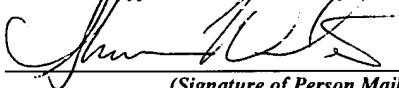
90959US

**1017 Rec'd PCT/PTO 29 MAR 2005**Application No.  
To Be AssignedFiling Date  
March 29, 2005Examiner  
To Be AssignedCustomer No.  
24628Group Art Unit  
To Be AssignedInvention: **IMPROVEMENTS RELATING TO DIPOLE ANTENNAS AND COAXIAL TO MICROSTRIP TRANSITIONS**

I hereby certify that the following correspondence:

**Express Mail Label EV 592966538 US; Preliminary Amendment; Specifications (39 Pages); Formal Drawings (35 Sheets); PCT International Patent Application; International Search Report; Unexecuted Declaration and Power of Attorney; Application Data Sheet; Check in the Amount of \$1,000.00; and Postcard.***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

March 29, 2005*(Date)*Shannon Wooten*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*EV 592966538 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**